

UNITED STATE DEPARTMENT OF COMMERCE
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SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT		ATTORNEY DOCKET NO.
08/484,171	. 06/07/95	LIRETTE	В	WEAA-173
			TSAY,F	EXAMINER
		C5M1/0718		
GUY MCCLUNG NO 347	i		ART UNIT	PAPER NUMBER
16690 CHAMP SPRING TX 7		DRIVE	3506	7 ms
		•	DATE MAILED:	07/18/96

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NOTIC	CE OF ALLOWABILITY COME AND TO THE STATE OF
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PART I.	111 + 18/1 - 6/17/96
	N THE MERITS IS (OR REMAINS) CLOSED in this application. If not included nice And Issue Fee Due or other appropriate communication will be sent in due
3. The allowed claims are	·
	are acceptable.
 Acknowledgment is made of the claim for priority received. [_] been filed in parent application Serial N 	under 35 U.S.C. 119. The certified copy has [_] been received. [_] not been lo, filed on
Note the attached Examiner's Amendment.	•
7. D Note the attached Examiner Interview Summary Reco	ord, PTOL-413.
8. Note the attached Examiner's Statement of Reasons	for Allowance.
9. Note the attached NOTICE OF REFERENCES CITED,	, PTO-892.
10. Note the attached INFORMATION DISCLOSURE CIT.	ATION, PTO-1449.
PART II.	
	comply with the requirements noted below is set to EXPIRE THREE MONTHS illure to timely comply will result in the ABANDONMENT of this application. 37 CFR 1.136(a).
 Note the attached EXAMINER'S AMENDMENT or N or declaration is deficient. A SUBSTITUTE OATH OR I 	IOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath DECLARATION IS REQUIRED.
2. APPLICANT MUST MAKE THE DRAWING CHANGE: OF THIS PAPER.	S INDICATED BELOW IN THE MANNER SET FORTH ON THE REVERSE SIDE
a. Drawing informalities are indicated on the NO CORRECTION IS REQUIRED.	TICE RE PATENT DRAWINGS, PTO-948, attached hereto or to Paper No.
 The proposed drawing correction filed on REQUIRED. 	has been approved by the examiner. CORRECTION IS
 c. Approved drawing corrections are described by REQUIRED. 	the examiner in the attached EXAMINER'S AMENDMENT. CORRECTION IS
d. X Formal drawings are now REQUIRED.	
	•
Any response to this letter should include in the upper rig AND ISSUE FEE DUE: ISSUE BATCH NUMBER, DATE OF TH	ght hand corner, the following information from the NOTICE OF ALLOWANCE HE NOTICE OF ALLOWANCE, AND SERIAL NUMBER:
Attachments:	
_ Examiner's Amendment	- Notice of Informal Application, PTO-152
Examiner Interview Summary Record, PTOL- 413	_ Notice re Patent Drawings, PTO-948
Reasons for Allowance	_ Listing of Bonded Draftsmen
Notice of References Cited PTO-992	Other

- → Information Disclosure Citation, PTO-1449

Serial Number: 08/484,171 -2-

Art Unit: 3506

Part III DETAILED ACTION

Response to Amendment

1. In view of the amendment and the arguments filed on June 17, 1996, the prior rejection of claims under 35 USC \$101, 35 USC \$102(b) and 35 USC \$103 is hereby withdrawn.

Allowable Subject Matter

- 2. Claims 21-36 are allowable over the prior art of record.
- 3. The following is an Examiner's statement of reasons for the indication of allowable subject matter: The prior art of records fails to disclose a centralizer at least having groove or grooves in the exterior surface of the tubular body for movably limiting the movement of the centralizer on the tubular body.

Conclusion

- 4. Since allowable subject matter has been indicated, applicant is encouraged to submit formal drawings in response to this Office action. The early submission of formal drawings will permit the Office to review the drawings for acceptability and to resolve any informalities remaining therein before the application is passed to issue. This will avoid possible delays in the issue process.
- 5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dr. Frank S. Tsay whose telephone number is $(703)\ 308-2170$. The examiner can normally be reached on Monday through Friday from 8:30 A.M. to $4:00\ {\rm P.M.}$ E.T.

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Serial Number: 08/484,171

Art Unit: 3506

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ms. Tamara L. Graysay, can be reached on (703) 308-2144. The fax phone number for this Group is (703)305-3597 or (703)305-3598.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703)308-2168.

Tsay/FT July 17, 1996

> FRANK S. TSAY PRIMARY EXAMINER GROUP 3500







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NOTICE OF ALLOWANCE AND ISSUE FEE DUE

\sqcup	Note	attached	communication	from	the	Examiner
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		communication filed	

SERIES CODE/SERIAL NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAIL	ED
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TITLE OF INVENTION

LIGHTE,

PREMI J.

CENTRICK 3 TEST

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13	Hit field 1 3	1 Each 174 2 2 1	: 00 TEY	7 (31111)	7 1111	3 1 72-9 0 0 0	10713.88

THE APPLICATION IDENTIFIES ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN <u>THREE MONTHS</u> FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

- I. Review the SMALL ENTITY Status shown above. If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:
 - A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the patent and Trademark Office of the change in status, or
 - B. If the Status is the same, pay the FEE DUE shown above.
- If the SMALL ENTITY is shown as NO:
- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, pay of 1/2 the FEE DUE shown above.
- II. Part B of this notice should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B should be completed and returned. If you are charging the ISSUE FEE to your deposit account, Part C of this notice should also be completed and returned.
- III. All communications regarding this application must give series code (or filing date), serial number and batch number. Please direct all communication prior to issuance to Box ISSUE FEE unless advised to contrary.

IMPORTANT REMINDER: Patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.